

Application No.: 10/565,565
Filing Date: January 23, 2006

Exhibit 1

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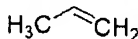
295663 Propylene ≥99%

<http://www.sigmaaldrich.com/catalog/search/ProductDetail/ALDRICH/2...>

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295663 Propylene

Aldrich ≥99%



Synonym	Propene
Molecular Formula	$\text{CH}_3\text{CH}=\text{CH}_2$
Molecular Weight	42.08
CAS Number	115-07-1
Beilstein Registry Number	1696878
MDL number	MFCD00009279
PubChem Substance ID	24657803
EQ/EC Number	204-062-1

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Price and Availability

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Descriptions

Packaging	100, 300 g in Sure-Pac™
Recommended products	Brass hose adapter Z146811 or brass body mini gas regulator Z513539 is recommended.

Properties

vapor density	1.48 (vs air)
vapor pressure	15.4 atm (37.7 °C)
assay	≥99%
autoignition temp.	860 °F
expl. lim.	11.1 %
bp	-47.7 °C (lit.)
mp	-185 °C (lit.)

References

Merck	Merck 13,7941
Beilstein	Beil. 1, IV, 725
reference	Corp MSDS 1 (2), 2954-D / FT-IR 2 (1), 24-A / RegBook 1 (1), 15-B / Sax 6, 2295 / Structure Index 1, 2-A.5 / Vapor Phase 3, 17-D

Safety

Hazard Codes	F+
Risk Statements	12
Safety Statements	9-16-33
RIDADR	UN 1077 2.1
WGK Germany	-
RTECS	UC6740000
UEL	11.10%
LEL	2.00%
Flash Point(F)	-162 °F
Flash Point(C)	-108 °C

Related Products

Regulator	Z513539, Aldrich® mini gas regulator
Hose barb	Z146811, Hose adapter

Related Categories

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